UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/818,448	03/27/2001	Richard L. Firth	MS158544.1	2075

			EXAMINER
27195	7590	07/27/2004	LIM, KRISNA

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ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 07/27/2004   3

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)
Office Action Summary		09/818,448	FIRTH ET AL.
		Examiner	Art Unit
		Krisna Lim	2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>1</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____ .

2a)☐ This action is **FINAL.**   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-32* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☐ Claim(s) _____ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☒ Claim(s) *1-32* are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____ .

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____ .

1.   Claims 1-64 are presented for examination.,

2.   Restriction to one of the following inventions is required under 35 U.S.C. § 121:

I.   Claims 1-18, drawn to a system for communication over a protocol,
comprising: a) a content associated with a URI to be exposed; and b) a class factory
comprising a plurality of identifiers and associated registered listener object creator, at
least one of the listener object creators adapted to create at least one listener object
that facilitates exposure of the URI, classified in class 709, subclass 200.

II.   Claims 19-28 and 32, drawn to a method for allowing a server program to
listen for and process requests received over one of a plurality of protocols, comprising
the steps of: a) registering one or more protocol handlers operable to create a listener
object; b) creating an instance of a listener object from a source of registered protocol
handlers; c) returning the listener object to the application ...; d) exposing one or more
URIs through functionality provided by the listener object; and e) listening for a request
from an accessing application through functionality provided by the listener object, class
719, subclass 316.

III.   Claims 29-31, drawn to a data packet adapted to be transmitted between
two or more computer processes, the data packet comprising: information operable to
facilitate selecting a listener object creator, classified in class 370, subclass 464.

3.   Inventions I and II are related as subcombinations disclosed as usable
together in a single combination. The subcombinations are distinct from each other if
they are shown to be separately usable. In the instant case, invention I has separate
utility such as a system for communication over a protocol, comprising: a) a content
associated with a URI to be exposed; and b) a class factory comprising a plurality of
identifiers and associated registered listener object creator, at least one of the listener

object creators adapted to create at least one listener object that facilitates exposure of the URI. See MPEP § 806.05(d).

4. Inventions I and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as a system for communication over a protocol, comprising: a) a content associated with a URI to be exposed; and b) a class factory comprising a plurality of identifiers and associated registered listener object creator, at least one of the listener object creators adapted to create at least one listener object that facilitates exposure of the URI. See MPEP § 806.05(d).

5. Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as a method for allowing a server program to listen for and process requests received over one of a plurality of protocols, comprising the steps of: a) registering one or more protocol handlers operable to create a listener object; b) creating an instance of a listener object from a source of registered protocol handlers; c) returning the listener object to the application ...; d) exposing one or more URIs through functionality provided by the listener object; and e) listening for a request from an accessing application through functionality provided by the listener object. See MPEP § 806.05(d).

6. These inventions are distinct for the reasons given above, and the search required for each Group is different and not co-extensive for examination purpose.

7. For example, the searches for the two inventions would not be co-extensive because these groups would require different searches on PTO's classification class and subclass as following:

(a) the Group I search (claims 1-18) would require use of search class 709, subclass 200 (which would not required for the groups II and III) .

(b) the Group II search (claims 19-28 and 32) would require use of search class 719, subclass 316 (which would not require for the groups I and III).

c) the Group III search (claims 29-31) would require use of search class 370, subclass 464 (which would not require for the groups I and II).

8.   Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement is traversed.

9. Applicant is reminded that the required for response to this requirement is <u>30</u> days, not one month.

10.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Krisna Lim whose telephone number is (703) 305-9672. The examiner can normally be reached on Monday-Friday from 7:00 to 3:30.
         If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Glenton Burgess, can be reached at (703) 305-4772. The fax phone numbers for the organization where this application or proceeding is assigned is are as following:
         (703) 746-4481   [Direct fax number]
         (703) 746-7238   [After Final Communication]
or
          (703) 746-7239   [Official Communication]
         (703) 746-7240   [For Status inquires, draft communication]
and/or
         (703) 306-5631, (703) 306-5632 or (703) 306-5633 for [Customer Service Numbers]

         Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

         All Internet e-mail communication will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirement of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Office Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

KI

July 23, 2004

KRISNA LIM
PRIMARY EXAMINER